

# Starting NOP for the First Time

This subsection covers the following topics:

- First Installation Steps
- BS2000/OSD
- Installation Verification
- Possible Errors

## First Installation Steps

If you are logged on to the SYSEOR library, you must enter the direct command INSTALL.

After the first start, the Entire Operations Installation screen is automatically invoked:

```

20.11.01          *** Entire Operations 4.1.1 ***          10:29:29
                    Installation

-----
This program will help to make some initial definitions for and within
Entire Operations.
The most definitions can be modified later, by using the
'System Administration' online functions.

If you do not want to continue, please press the PF3 key.
If you want to continue, please enter the following:

      User ID of the Entire Operations System Administrator ==> SYSDBA__

Enter  ==> Continue Installation
PF3    ==> End

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---
                    End

```

### To proceed with installation

- Enter SYSDBA in the User ID field of this screen and press Enter.

During the installation procedure, you can add your own user ID.

This enables you to customize Entire Operations by following the steps described in the section System Administrator Services. This includes:

- Entire Operations Defaults;

#### **BS2000/OSD only:**

You should at least modify the activation and submission escape characters, since \$ and % cannot be used in BS2000/OSD. You should use ^ and ' (accent grave).

- Definition of Nodes - the user can delete unnecessary node definitions and add the appropriate ones;
- User Maintenance.

**Notes:**

1. You cannot start the Entire Operations Monitor until the installation is finished.
2. You will be forced to leave the Natural session after termination of the Install program.  
The reason is that some of the definitions are necessary for a regular user session.  
If you want to work with Entire Operations after INSTALL, you must start a new Natural session.

## BS2000/OSD

### Note for TIAM-Natural

If you run your Natural under TIAM, it is possible to access Entire System Server as well as the Editor in single-user mode. To do this, the following FILE statements must be given before starting Natural:

```
/FILE <NPRLIB>,LINK=DDLIB2           (for ESY single user mode)
```

where <NPRLIB> is the Entire System Server load library,

```
/FILE <workfile>,LINK=CMEDIT         (for Editor single-user mode)
```

where <workfile> must be the user-specific workfile, and <workfile> may not be accessed by any other task (refer to the subsection **Installing the Software AG Editor** in the **Natural Installation Guide for Mainframes**.)

### Note for UTM-Natural

If you run your Natural under UTM, you must not use single-user mode for Entire System Server or the Editor.

This means that node number 148 may not be given in any definition within Entire Operations, and a global Editor Buffer Pool must have been installed.

## Installation Verification

- Installation Verification Prerequisites
- Activating Sample Job Networks

If you have installed Entire Operations properly, issue the TECH command to display technical information for your installation. For details, see the subsection Online Technical Information in the section Logging on to Entire Operations of the Entire Operations User's Guide.

**Note:**

The TECH command must be used to synchronize the version and date of both your online Entire Operations system and your Entire Operations Monitor - for example, if the error message **wrong monitor version** appears after the INPL of an Entire Operations update tape. The TECH command is invoked automatically within the INSTALL program.

After having started the Entire Operations Monitor, you can now start some sample networks that are included in System File 1 on the installation tape. You can find these sample networks under the owner EXAMPLE.

**Notes:**

- For detailed information on starting the Entire Operations Monitor, see the subsection Starting a Server in the SAT Documentation and the subsection Entire Operations Monitor in the Entire Operations System Administrator Services Documentation.
- You cannot start these sample networks, if you have loaded your Entire Operations System File with NUMREC=0.

## Installation Verification Prerequisites

You must adapt the job networks of the owner EXAMPLE, which you want to use for the installation verification.

It is recommended that you use the following networks:

Operating System	Network	Description
BS2000/OSD	B60-FLOW	BS2000/OSD Job Flow
OS/390	E60-FLOW	OS/390
VSE/ESA/ESA	V60-FLOW	VSE/ESA Job Flow
UNIX	X60-FLOW	UNIX Job Flow

You must perform the following steps:

1. Check whether the node table contains all operating system server nodes you need (see the subsection Definition of Nodes in the section System Administrator Services).
2. For each node you want to use: enter the direct command LOGON SERVER <node-number> and perform a logon with a valid user ID and password. This must be done to check the availability of the node, and to obtain the operating system information from the node.
3. Go to the Network Modification screen and set the fields Execution Node and JCL Node to a valid node number. If you are using network B60-FLOW or X60-FLOW, you must also check the special defaults using PF6 from this screen; then set the field Submit User ID (and for B60-FLOW also Sysout User ID) to a user ID valid in your environment.
4. The node numbers above must be propagated to all jobs of the network. Press PF9 to display the screen Application of Network Defaults to Jobs. Enter **S** before Exec Node and JCL Node and press Enter to modify the jobs. For network B60-FLOW or X60-FLOW, you must also enter **S** before the User ID field(s) you modified in step 3.
5. For most of the sample job networks, you will find the name of a symbol table on the Network Modification screen. Press PF7 to display the symbols within that table. Check the symbols listed in the table and, if necessary, adapt them for your needs. Use the line command **M** for modifications.
6. Go to the Calendar Maintenance screen. Make sure that the calendar EXAMPLECAL is defined for the current year.
7. If you use Natural Security: Make sure that the library SYSEORU is defined as **public library**. If it is defined as **people protected**, you need a link to your user ID and to the user ID of the Entire Operations Monitor.

## Activating Sample Job Networks

- Activating a Sample Network
- Checking the Entire Operations Log

```

20.11.01          *** Entire Operations 4.1.1 ***          10:52:33
Owner EXAMPLE          Main Menu          User ID GHH
-----
Main Menu          DC Solutions

1 Network and Job Maintenance          20 Entire Event Management (V132)
2 Active Job Networks          21 Entire Output Management (V134)
3 Calendar Maintenance
4 Log Information
5 Symbol Tables
6 System Administrator Services
7 Reports          Applications
8 Import/Export
9 Help          30 sysmain

Command => _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---
Help          End          Owner Mail

```

1. On the Entire Operations Main Menu (example above), enter **1** (Network and Job Maintenance) and press Enter.

The Network Maintenance screen appears:

```
SYSEOR0070 - No Objects found for this Selection  
20.11.01 *** Entire Operations 4.1.1 *** 11:00:31  
Owner T Network Maintenance  
Selection OR_____
```

---

Cmd	#Run	Owner	Network	Node Description
*	-----	*-----*		
-				
-				
-				
-				
-				
-				
-				
-				
-				
-				

```
A Active C Copy D Delete F Flow G Grant H Check L List Jobs M Modify  
N Deact P Prose R Activate S Schedule T Acct W Display Schedule X History  
Command => _____  
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
```

Help	Add	End	Save	Up	Down	NxtAc Menu
------	-----	-----	------	----	------	------------

2. If you are not under the owner EXAMPLE, enter SET OWNER EXAMPLE in the command line and press Enter.

(If this does not work, check your user definition for the linked owners.)

```

SYSEOR0013 - Owner is now EXAMPLE
20.11.01          *** Entire Operations 4.1.1 ***          11:02:20
Owner EXAMPLE          Network Maintenance
Selection OR_____

-----
Cmd #Run  Owner      Network      Node Description
      *----- *-----
-          EXAMPLE    E60-FLOW    146  Job Flow for OS/390
-          EXAMPLE    B60-FLOW    31   Job Flow for BS2000/OSD
-          EXAMPLE    V60-FLOW    33   Job Flow for VSE/ESA
-          EXAMPLE    X60-FLOW    501  UNIX job Flow
-
-
-
-
-
-
-
-
-
***** m o r e *****
A Active C Copy D Delete F Flow G Grant H Check L List Jobs M Modify
N Deact P Prose R Activate S Schedule T Acct W Display Schedule X History
Command => _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10---PF11---PF12---
      Help  Add   End           Save           Up       Down           NxtSt Menu

```

The networks are divided into different application groups. Each network consists of various jobs and demonstrates one feature of Entire Operations. These are:

- Completion codes
- Input conditions
- Output conditions
- Events
- JCL generation
- Recovery
- User routines
- Mailboxes
- Resources
- Job flow
- Con-nect interface

The following sample networks are provided:

- E60-FLOW (for OS/390)
- B60-FLOW(for BS2000/OSD)
- V60-FLOW (for VSE/ESA)
- X60-FLOW (for UNIX)

Sample networks for OS/390 start with the letter **E**, for BS2000/OSD with **B**, for VSE/ESA with **V** and for UNIX with **X**.

The sample networks demonstrate a sequence of interdependent jobs and are used to ensure that all of your installation has been successfully completed.

## Activating a Sample Network

### To activate a sample network

- Enter **R** in the input field of the Cmd column preceding the network name on the Network Maintenance screen and press Enter.

## Checking the Entire Operations Log

### To check the Entire Operations log

- Enter LOG in the Command => line and press Enter. The sample jobs of your network should have been started and have ended **ok**. If this is not the case, check that you have performed the installation correctly.

### Notes:

1. The following message in LOG can be ignored if you are using sample networks that were issued with Entire Operations 1.4x: Inv.Out Cond.Ref: E60-JOB-1 RUN-1.  
If you are using native Entire Operations 3.1.1 sample networks, this message is unlikely to occur.
2. In a VSE/ESA environment, before activating network V60-FLOW, you are recommended to verify the definitions of End-of-Job actions for JOB-01 of this network. For this job, some message recipients are defined which may not exist in your environment. You can either overwrite these recipients with valid destination IDs, or else delete all recipient definitions. For details, see the subsection Message Switching (Nachricht Senden) in the Entire Operations User's Guide.

## Possible Errors

- Migration Considerations
- If NOP Monitor Subtask Does Not Start
- You have forgotten to use some Natural Security definitions.
- You might be using improper versions of Adabas, Natural or Entire System Server.
- There are errors in your Natural definition (linkage, parameter module, etc.).
- You have forgotten some System Automation Tools parameters or have defined them incorrectly.
- You have not performed the installation procedure correctly or have not ended it properly.

## Migration Considerations

### • Sample Networks for Previous Versions 1.4.x

In general, the installation verification can also be carried out using the sample networks delivered with previous versions 1.4.x of Entire Operations. However, these network definitions contained some minor inconsistencies which have been corrected in the current version. The current version also contains some additional sample network definitions, in particular those demonstrating access to UNIX nodes. It is therefore recommended that you update the sample networks by importing them from the DATA file supplied with Entire Operations Version 2.1.1 and above. For further information, see the subsection Import and Export of Entire Operations Data.

### • Sample Networks for Previous Versions 1.3.x

Similar considerations apply for the sample networks supplied with Entire Operations Version 1.3.x. However, in this case you are advised to proceed as described in the subsection Import and Export of Entire Operations Data.

## **If NOP Monitor Subtask Does Not Start**

### **Error NAT0838**

If you receive the error message NAT0838 in the System Automation Tools output:

- Log on online to SYSEOR and change the password there.
- Modify the NSCPSWD= settings in NOPxxx SATENV in the System Automation Tools parameters as well.
- Retry the System Automation Tools start.